Amendments to the Claims:

Listing of Claims:

1.   (Currently Amended) A method for validating a plurality of data in a backend driven environment, the method comprising the steps of:

a computer creating an XML Schema for a database, wherein the XML Schema contains a plurality of rules for validating a plurality of data in the database;

the computer copying the database to a hashtable;

the computer designating a query interval;

the computer, [[upon]]responsive to an [[the]] occurrence of a query interval, comparing the database to the hashtable;

the computer determining if the database and the hashtable are identical; and

the computer, responsive to determining that [[when]] the database and the hashtable are not identical[[,]]:

creating a new XML Schema, the creating the new XML Schema including automatically updating the plurality of rules[[,]];

deleting the hashtable; and

saving the database as a new hashtable; and

wherein the creating a new XML Schema includes automatically updating the plurality of rules; and

wherein [[a]]the new XML Schema is created only when a determination is made that the database and the hashtable are not identical.

2.   (Canceled)

3.   (Currently Amended) The method of claim 1 further comprising:

the computer, responsive to determining that [[when]] the database and the hashtable are identical,[[:]]resetting the query interval and repeating the steps in claim 1.

4.   (Canceled)

5.   (Currently Amended) The method of claim 1 further comprising:

the computer ~~when the database and the hashtable are not identical,~~ storing the new XML Schema in a web server's virtual root.

6.   (Currently Amended) The method of claim 1 <u>wherein:</u>

<u>the step of copying the database to the hashtable comprises the computer copying</u> ~~wherein~~ a limited number of tables from the database ~~are copied~~ to the hashtable; and

<u>the step of comparing the database to the hashtable comprises the computer</u> ~~wherein upon the occurrence of a query interval,~~ <u>comparing</u> ~~the database~~ <u>a plurality of</u> tables <u>in the database</u> ~~are compared~~ to the tables in the hashtable.

7.   (Currently Amended) The method of claim 1 <u>wherein:</u>

<u>the step of copying the database to the hashtable comprises the computer copying</u> ~~wherein~~ a database metadata ~~is copied~~ to the hashtable; and

<u>the step of comparing the database to the hashtable comprises the computer</u> ~~wherein upon the occurrence of a query interval,~~ <u>comparing</u> the database metadata ~~is compared~~ to the metadata in the hashtable.

8.   (Currently Amended) The method of claim 1 further comprising:

the computer notifying a registered party of an update to the XML Schema.

9.   (Canceled)

10.   (Currently Amended) A [[first]] method for validating proposed additions to a database comprising:

<u>a computer creating an XML Schema for the database;</u>

<u>the computer copying the database to a hashtable;</u>

<u>the computer designating a query interval;</u>

<u>responsive to an occurrence of the query interval, the computer comparing the database to the hashtable;</u>

the computer determining if the database and the hashtable are identical;

responsive to determining that the database and the hashtable are not identical, the computer creating a new XML Schema for the database;

the computer accessing [[an]]the new XML Schema stored in a web server's virtual root;

the computer checking the validity of a data using the new XML Schema;

~~submitting the data to a database;~~

the computer validating the data using the new XML Schema; [[and]]

the computer, responsive to a validation of the data, adding the ~~validated~~ data to the database;

~~wherein the XML Schema is created by a second method comprising: creating an XML Schema for a database; copying the database to a hashtable;~~ designating a query interval; ~~upon the occurrence of the query interval, comparing the database to the hashtable; determining if the database and the hashtable are identical; and when the database and the hashtable are not~~ identical, ~~creating a new XML Schema;~~ and

the computer notifying a registered party of an update to the XML Schema.

11.   (Canceled)

12.   (Canceled)

13.   (Currently Amended) The [[first]] method of claim 10 <u>further comprising:</u>

the computer, responsive to determining that ~~wherein the second method further comprises: when~~ the database and the hashtable are identical,[[:]]resetting the query interval ~~and repeating the steps in claim 10~~.

14.   (Currently Amended) The method of claim 10 ~~wherein the second method~~ further compris[[es]]ing:

responsive to determining that the database and the hashtable are not identical, the computer deleting the hashtable and saving the database as a new hashtable.

15. (Currently Amended) The method of claim 10 ~~wherein the second method~~ further compris[[es]]ing:

the computer storing the new XML Schema in [[a]]the web server's virtual root.

16. (Currently Amended) The [[first]] method of claim 10 ~~wherein the second method further comprises:~~ wherein:

the step of copying the database to the hashtable comprises the computer copying a limited number of tables from the database ~~are copied~~ to the hashtable; and ~~wherein upon the occurrence of~~

the step of comparing the database to the hashtable comprises the computer ~~a query interval,~~ comparing a plurality of ~~the database~~ tables in the database ~~are compared~~ to the tables in the hashtable.

17. (Currently Amended) The [[first]] method of claim 10 ~~wherein the second method further comprises:~~ wherein:

the step of copying the database to the hashtable comprises the computer copying [[a]] database metadata ~~is copied~~ to the hashtable; and

the step of comparing the database to the hashtable comprises the computer ~~wherein upon the occurrence of a query interval,~~ comparing the database metadata ~~is compared~~ to the metadata in the hashtable.

18. (Canceled)

19. (Canceled)

20. (Currently Amended) A program product operable on a computer, the program product comprising:

~~a computer usable medium~~ one or more computer-readable tangible storage devices;

~~wherein the computer usable medium comprises instructions contained in the program product comprising:~~

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to create ~~instructions for creating~~ an XML Schema for a database[[;]], the XML Schema containing ~~wherein the XML Schema contains~~ a plurality of rules for validating a plurality of data in the database;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to copy ~~instructions for copying~~ the database to a hashtable;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to designate ~~instructions for designating~~ a query interval;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to compare the database to the hashtable in response to an ~~upon the~~ occurrence of the query interval, ~~instructions for comparing the database to the hashtable~~;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to determine ~~instructions for determining~~ if the database and the hashtable are identical; and

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to determining that [[when]] the database and the hashtable are not identical, ~~instructions for creating~~ to create a new XML Schema, delete the hashtable, and save the database as a new hashtable; ~~wherein the instructions for creating a new XML Schema cause the computer to automatically update the plurality of rules; and~~

~~wherein the new XML Schema is created only when a determination is made that the database and the hashtable are not identical~~

wherein the program instructions to create the new XML Schema automatically update the plurality of rules and create the new XML Schema only when a determination is made that the database and the hashtable are not identical.

21.   (Canceled)

22.   (Currently Amended) The program product of claim 20 further comprising:
program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to determining that [[when]] the database and the hashtable

are identical, ~~instructions for resetting~~ to reset the query interval ~~and repeating the steps in claim 20~~.

23.   (Canceled)

24.   (Currently Amended) The program product of claim 20 further comprising:
        program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to store ~~when the database and the hashtable are not identical, instructions for storing~~ the new XML Schema in a web server's virtual root.

25.   (Currently Amended) The program product of claim 20 wherein:
        the program instructions to copy the database to the hashtable copy ~~wherein~~ a limited number of tables from the database ~~are copied~~ to the hashtable; and
        the program instructions to compare the database to the hashtable compare ~~wherein upon the occurrence of a query interval, the database~~ a plurality of tables in the database ~~are compared~~ to the tables in the hashtable.

26.   (Currently Amended) The program product of claim 20 wherein:
        the program instructions to copy the database to the hashtable copy ~~wherein a~~ database metadata ~~is copied~~ to the hashtable; and
        the program instructions to compare the database to the hashtable compare ~~wherein upon the occurrence of a query interval,~~ the database metadata ~~is compared~~ to the metadata in the hashtable.

27.   (Currently Amended) The program product of claim 20 further comprising:
        program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to notify ~~notifying~~ a registered party of an update to the XML Schema.

28.   (Canceled)

29.   (Currently Amended) A [[first]] program product operable on a computer, the program product comprising:

a computer usable medium one or more computer-readable tangible storage devices; wherein the computer usable medium comprises executable instructions contained in the program product comprising:

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to create an XML Schema for a database;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to copy the database to a hashtable;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to designate a query interval;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to an occurrence of the query interval, to compare the database to the hashtable;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to determine if the database and the hashtable are identical;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to determining that the database and the hashtable are not identical, to create a new XML Schema for the database;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to instructions for access[[ing]] [[an]] the XML Schema stored in a web server's virtual root[[;]], wherein the XML Schema contains a plurality of rules for validating a plurality of data in the database;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to instructions for check[[ing]] [[the]]a validity of a data using the new XML Schema;

instructions for submitting the data to a database;

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to instructions for validate[[ing]] the data using the new XML Schema; [[and]]

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, to ~~instructions for~~ add[[ing]], responsive to a validation of the data, the ~~validated~~ data to the database; and

~~wherein the XML Schema is created by a second program product comprising:~~

~~instructions for designating a query interval;~~

~~instructions for creating an XML Schema for the database;~~

~~instructions for copying the database to a hashtable upon the occurrence of the query interval,~~

~~instructions for comparing the database to the hashtable;~~

~~instructions for determining if the database and the hashtable are identical; and~~

~~when the database and the hashtable are not identical, instructions for creating a new XML Schema;~~

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, ~~wherein the instructions for creating a new XML Schema cause the computer to automatically update the plurality of rules~~ to notify a registered party of an update to the XML Schema~~; and~~

~~wherein the new XML Schema is created only when a determination is made that the database and the hashtable are not identical.~~

30. (Canceled)

31. (Canceled)

32. (Currently Amended) The [[first]] program product of claim 29 ~~wherein the second program product further comprises~~ further comprising:

program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to a determining that [[when]] the database and the hashtable are identical, ~~instructions for resetting~~ to reset the query interval ~~and repeating the steps in claim 29~~.

33.   (Currently Amended) The [[first]] program product of claim 29 wherein ~~the second program product further comprises~~ further comprising:

    program instructions, stored on at least one of the one or more computer-readable tangible storage devices, responsive to determining that the database and the hashtable are not identical, to delete ~~instructions for deleting~~ the hashtable and to save ~~saving~~ the database as a new hashtable.

34.   (Currently Amended) The [[first]] program product of claim 29 ~~wherein the second program product further comprises~~ further comprising:

    program instructions, stored on at least one of the one or more computer-readable, tangible storage devices, to store ~~instructions for storing~~ the new XML Schema in [[a]]the web server's virtual root.

35.   (Currently Amended) The [[first]] program product of claim 29 wherein:

    the program instructions to copy the database to the hashtable copy ~~wherein~~ a limited number of tables from the database ~~are copied~~ to the hashtable; and

    the program instructions to compare the database to the hashtable compare ~~wherein upon the occurrence of a query interval,~~ the database tables ~~are compared~~ to the tables in the hashtable.

36.   (Currently Amended) The [[first]] program product of claim 29 wherein:

    the program instructions to copy the database to the hashtable copy ~~wherein a~~ database metadata ~~is copied~~ to the hashtable; and

    the program instructions to compare the database to the hashtable compare ~~wherein upon the occurrence of a query interval,~~ the database metadata ~~is compared~~ to the metadata in the hashtable.

37.   (Currently Amended) The program product of claim 29 further comprising:

    program instructions, stored on at least one of the one or more computer-readable, tangible storage devices, to notify ~~notifying~~ a registered party of an update to the XML Schema.

38.   (Canceled)